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MODIFICATION OF THE METHOD OF APPLYING PENICILLIN

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Since 1950, a new method of applying penicillin for the treatment of burns and other pathological conditions of the eyes has been used at the Clinic of Eye Diseases, Novosibirsk Medical Institute. In this method, a subconjunctival injection of penicillin combined with blood is made. The concentration of penicillin is no less than 10,000 International Units per 1 ml of the mixture.

The procedure is very simple. After 0.5 ml of penicillin have been filled into the syringe, 0.5 ml of the blood of the patient are added. The blood is taken from the patient's elbow vein [V. mediana cubiti]. Every milliliter of penicillin is assumed to contain 20,000 International Units. The mixture of penicillin and blood is introduced under the conjunctiva once a day.

The method is based on bringing about prolonged action of penicillin and on establishing a higher concentration of this antibiotic in the eye. The advantageous effect of the parenteral introduction of blood must also be considered. Experience has shown that this method is highly effective. For that reason, it may be recommended for introduction into ophthalmological practice. The new method can be applied without any difficulty in dispensaries.

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